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PATENT APPLICATION



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mitsuteru INOUE et al.

Application No.: 09/878,955

Filed: June 13, 2001

Docket No.: 109700

For: SPATIAL LIGHT MODULATOR

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office  
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 19, line 24 - page 20, line 16, delete current paragraph and insert therefor:

Al cont

The three-dimensional electromagnetic field analysis was carried out with respect to the conductor layer 111 shown in FIG. 7. In this analysis, a relation between a distance  $X$  ( $\mu\text{m}$ ) from one end face of the narrow portion 111a in the width direction and magnetic field intensity  $H_z$  ( $\text{Oe} = \times 79 \text{ A/m}$ ) in the thickness direction ( $Z$  direction) of the conductor layer 111 was obtained with respect to three positions (a), (b) and (c) in the thickness direction ( $Z$  direction) of the conductor layer 111. In this analysis, a current flowing through the conductor layer 111 was made 100 mA. Assuming the position of the bottom surface of the conductor layer 111 to be the origin, a position in the  $Z$  direction was expressed by a coordinate  $z$  which had a positive value at the upper side of the origin and a negative value at the lower side thereof. The position (a) is a position of  $Z = 0.1 \mu\text{m}$ , that is, the center position